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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/537,892	06/07/2005	Thomas Chen-chi Yu	2001B124A	7205
23455	7590	01/07/2008	EXAMINER	
EXXONMOBIL CHEMICAL COMPANY 5200 BAYWAY DRIVE P.O. BOX 2149 BAYTOWN, TX 77522-2149			MULLIS, JEFFREY C	
ART UNIT		PAPER NUMBER		
1796				
MAIL DATE		DELIVERY MODE		
01/07/2008		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)
	10/537,892	YU, THOMAS CHEN-CHI
	Examiner	Art Unit
	Jeffrey C. Mullis	1796

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 14 November 2007.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-23 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-23 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date 8-30-05; 9-19-07.

4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____

5) Notice of Informal Patent Application

6) Other: _____

Applicant's election of polypropylene porous polymer; Epsom salt water generating agent; polyolefin matrix component; EPDM resilient polymer in the reply filed on 12-3-07 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Applicants are correct that EPDM reads on "polyolefin". Applicants should change the status identifier for claim 14 from "withdrawn" in response to this Office action.

If applicant desires to claim the benefit of a prior-filed application under 35 U.S.C. 120, a specific reference to the prior-filed application in compliance with 37 CFR 1.78(a) must be included in the first sentence(s) of the specification following the title or in an application data sheet. For benefit claims under 35 U.S.C. 120, 121 or 365(c), the reference must include the relationship (i.e., continuation, divisional, or continuation-in-part) of the applications. It is noted that the relationship of applicants '713 application and '797 application is not stated.

If the instant application is a utility or plant application filed under 35 U.S.C. 111(a) on or after November 29, 2000, the specific reference must be submitted during the pendency of the application and within the later of four months from the actual filing date of the application or sixteen months from the filing date of the prior application. If the application is a utility or plant application which entered the national stage from an international application filed on or after November 29, 2000, after compliance with 35 U.S.C. 371, the specific reference must be submitted during the pendency of the

application and within the later of four months from the date on which the national stage commenced under 35 U.S.C. 371(b) or (f) or sixteen months from the filing date of the prior application. See 37 CFR 1.78(a)(2)(ii) and (a)(5)(ii). This time period is not extendable and a failure to submit the reference required by 35 U.S.C. 119(e) and/or 120, where applicable, within this time period is considered a waiver of any benefit of such prior application(s) under 35 U.S.C. 119(e), 120, 121 and 365(c). A benefit claim filed after the required time period may be accepted if it is accompanied by a grantable petition to accept an unintentionally delayed benefit claim under 35 U.S.C. 119(e), 120, 121 and 365(c). The petition must be accompanied by (1) the reference required by 35 U.S.C. 120 or 119(e) and 37 CFR 1.78(a)(2) or (a)(5) to the prior application (unless previously submitted), (2) a surcharge under 37 CFR 1.17(t), and (3) a statement that the entire delay between the date the claim was due under 37 CFR 1.78(a)(2) or (a)(5) and the date the claim was filed was unintentional. The Director may require additional information where there is a question whether the delay was unintentional. The petition should be addressed to: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If the reference to the prior application was previously submitted within the time period set forth in 37 CFR 1.78(a), but not in the first sentence(s) of the specification or an application data sheet (ADS) as required by 37 CFR 1.78(a) (e.g., if the reference was submitted in an oath or declaration or the application transmittal letter), and the information concerning the benefit claim was recognized by the Office as shown by its inclusion on the first filing receipt, the petition under 37 CFR 1.78(a) and the surcharge

under 37 CFR 1.17(t) are not required. Applicant is still required to submit the reference in compliance with 37 CFR 1.78(a) by filing an amendment to the first sentence(s) of the specification or an ADS. See MPEP § 201.11.

The amendment filed 6-7-05 is objected to under 35 U.S.C. 132(a) because it introduces new matter into the disclosure. 35 U.S.C. 132(a) states that no amendment shall introduce new matter into the disclosure of the invention. The added material which is not supported by the original disclosure is as follows: that PCT/US02/39797 is incorporated by reference.

Applicant is required to cancel the new matter in the reply to this Office Action.

Claim 10 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

10The species of claim 10 recites a divalent silicon, an impossibility

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Brosius et al. (US 5384369) in view of Furrer et al. (US 5,112,919) or Brann et al. (US 5,741,858) and Tanimura et al. (US 2001/0007006).

Patentees disclose a process in which an unsaturated hydrolysable silane is contacted with 25-95% polypropylene as in applicants matrix component and an ethylene propylene copolymer as in applicants resilient polymer under free radical conditions (abstract). Water or a hydrate or other water eliminating agent may be added along with a condensation catalyst to facilitate crosslinking at column 6, lines 41-50. Note example 1 where no pelletizing takes place before extrusion into a film.

Furrer et al. (US 5,112,919) disclose a polymer composition crosslinked by moisture in which solid porous carrier polymer is used to introduce the needed components (abstract; column 2, lines 30-35). Solid sources of water such as mineral hydrates or talc etc may be used at column 6, lines 40-49.

Brann discloses that a water crosslinkable silane containing blend in which the source of water may be solid such as aluminum hydroxide (abstract; column 2, lines 4-13).

Brosius differs from applicants independent claim in that patentees do not disclose that the "water eliminating" such as a "hydrate" is specifically solid (although many if not most hydrates are solids) and with respect to applicants dependent claims addition of materials on a porous carrier are not disclosed and specific hydrates such as those in claim 11 are not disclosed. However, it would have been obvious to a practitioner having an ordinary skill in the art at the time of the invention to use the solid water eliminating agents of the secondary references in the primary reference motivated by the need for a specific species of water eliminating agent in order to practice the process of the primary reference and by the disclosure of the secondary references of specific water eliminating agents absent any showing of surprising or unexpected

results. With re use of Epsom salt, clay or (solid) water these were widely known water containing materials at the time of the invention and applicants are given Official notice in this re. To use such material would have been obvious to a practitioner having an ordinary skill in the art at the time of the invention as water containing materials are disclosed workable by the primary reference and in the expectation of adequate results absent any showing of surprising or unexpected results. With re to use of porous carriers to introduce reactants such usage would have been obvious to a practitioner having an ordinary skill in the art at the time of the invention in view of the teaching of Furrer (column 1, lines 30-56) of better metering and more uniform reaction and in the expectation of extending such benefit to the primary reference absent any showing of surprising or unexpected results. With re to use of use of continuous operation as in claim 18, Tanimura discloses that such usage is most economical at paragraph 95 and hence use of such in the process of the primary reference would have been obvious to a practitioner having an ordinary skill in the art at the time of the invention in order to improve economics absent any showing of surprising or unexpected results.

Any inquiry concerning this communication should be directed to Jeffrey C. Mullis at telephone number 571 272 1075.

Jeffrey C. Mullis
Primary Examiner
Art Unit 1796

JCM

12-17-07